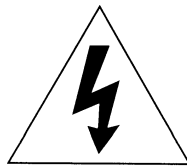




Model ZS5300 User Guide

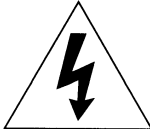
Multi Zone Selector



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL**



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCs ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.


NOTE TO CATV SYSTEM INSTALLER:

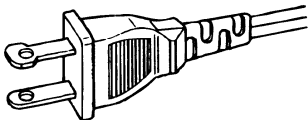
This reminder is provided to call the CATV (Cable-TV) system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. **Read Instructions** – All the safety and operating instructions should be read before the product is operated.
2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions** – All operating and use instructions should be followed.
5. **Cleaning** – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. **Attachments** – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Water and Moisture** – Do not use this product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. **Accessories** – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn. 
10. **Ventilation** – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. **Power Sources** – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. **Grounding or Polarization** – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

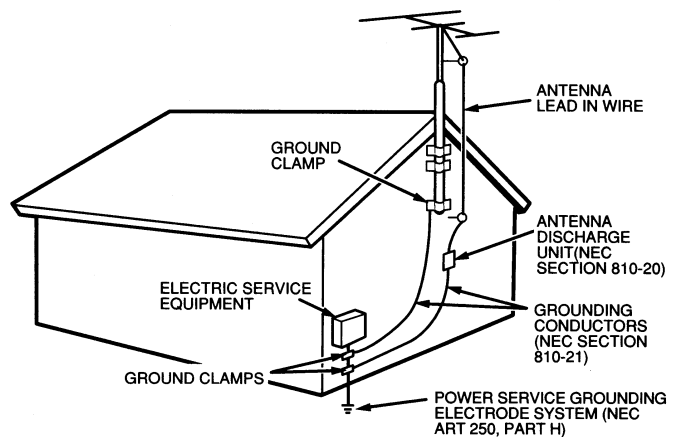


13. **Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14. **Protective Attachment Plug** – The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.

15. **Outdoor Antenna Grounding** – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.

Figure 1
EXAMPLE OF ANTENNA GROUNDING AS PER
NATIONAL ELECTRICAL CODE, ANSI/NFPA 70



NEC - NATIONAL ELECTRICAL CODE

This Class B digital apparatus complies with
Canadian ICES-003.

Cet appareil numérique de la Classe B est
conforme à la norme NMB-003 du Canada.

- 16.Lightning** – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 17.Power Lines** – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 18.Overloading** – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 19.Object and Liquid Entry** – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 20.Servicing** – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 21.Damage Requiring Service** – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
- a. When the power-supply cord or plug is damaged.
 - b. If liquid has been spilled, or objects have fallen into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - e. If the product has been dropped or damaged in any way, and
 - f. When the product exhibits a distinct change in performance – this indicates a need for service.
- 22.Replacement Parts** – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 23.Safety Check** – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 24.Wall or Ceiling Mounting** – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 25.Heat** – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
- 26.Apparatus** shall not be exposed to dripping and splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Table of Contents

Introduction.....	2
Features	2
About the keypad	3
Accessories	3
Functional Overview	4
Front panel	4
Rear panel.....	5
Remote control unit (RC5300ZS)	6
ID Code Setup.....	8
Preparation and Connection	9
Connecting speakers	9
Connection example	10
Operation Examples.....	15
Remote Code List	16
Troubleshooting	17
Care and Maintenance	17
Specification	18

Introduction

Thank you for purchasing the Marantz ZS5300 Multi Zone Selector Amplifier.

This remarkable component has been engineered to provide you with many years of whole house audio enjoyment.

Please take a few minutes to read this manual thoroughly before you connect and operate the ZS5300.

As there are a number of connection and configurations options, you are encouraged to discuss your own particular multi zone setup with your Marantz A/V specialist dealer.

Features

ZS5300 is a 2ch x 3 zones amplifier with Multi-Zone/Source selector.

- **All channels identically designed, complete discrete construction class-D power amplifier.**
To maximize sound performance, a large R-core power transformer is used.
The power amplifier is designed using discrete, class-D amplifier construction for all 6 channels. This assures that the channels are the same quality and power.
- **3 zone control function**
Combining this unit and a keypad, you can construct a multi-zone system which can control up to 3 zones.
- **ID selector switch which allows for zone expansion**
This unit can be connected in cascade by changing the ID switch on the rear panel. Up to 3 units can be connected so the zone system can be expanded up to 9 zones.
- **Power save function by independent power control**
This unit can control the power on/off for each zone. The power for the un-used zone can be turned off for power saving capability.
- **Party mode**
You can direct the same source to all the zones simultaneously. This is terrific for events like entertaining. In addition you can control volume and muting capability.
- **Banana plug compatible speaker terminal**
The speaker terminals can be connected with banana plugs directly as well as traditional speaker cable.

About the keypad

You can connect the majority of keypads, IR receivers as well as some control related products available in the market.

These are examples of systems that have been tested by Marantz America:

❖ NILES

Keypad	: IntelliPad
IR Main System unit	: IRP6+
IR Sensor	: MS 2
IR Flasher	: IRC-2



The Niles logo and IntelliPad are registered trademark of Niles Audio Corporation.

❖ XANTECH

Keypad	: SMARTPAD3
Connecting block	: 789-44
IR Sensor	: 480-30 Series
IR Emitter	: 282M



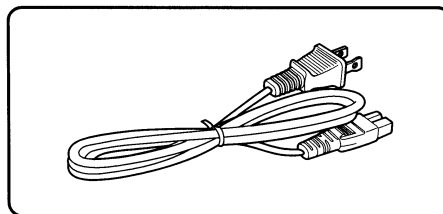
The Xantech logo and SMARTPAD3 are registered trademark of Xantech Corporation.

Note:

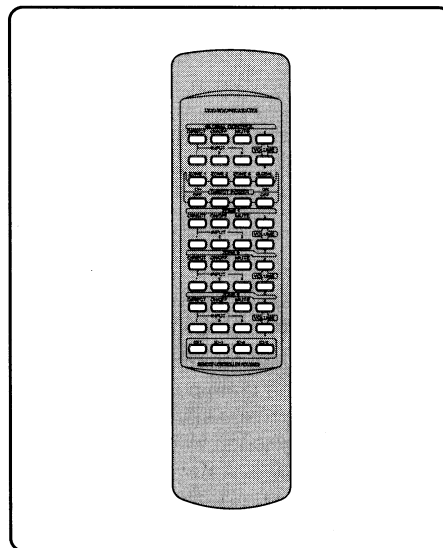
If you wish to use products that are not listed above, please contact your authorized Marantz dealer for possible compatibility issues.

Accessories

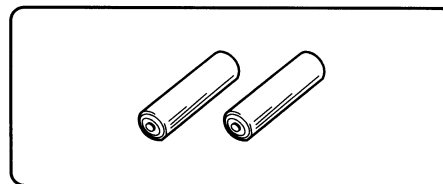
- AC power cord x 1



- Remote control unit x 1

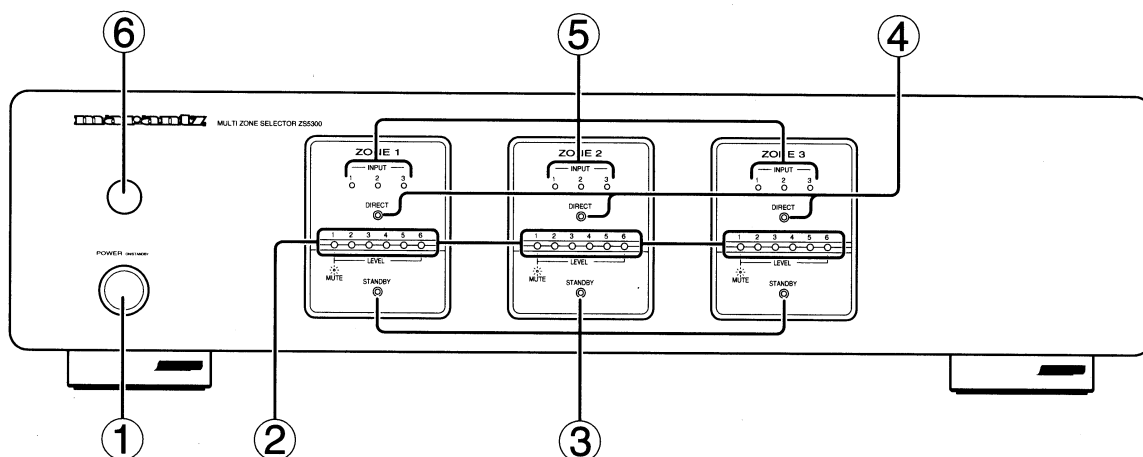


- AA-size batteries x 2



Functional Overview

Front panel



① Main power switch (POWER ON / STANDBY)

Press this button to turn the main power on. Press again to turn it off. When the main power is turned on, Zone1, Zone2 and Zone3 turn into standby mode and power for each zone can be switched with the remote control unit RC5300ZS (provided) or a Keypad (option). For regular use, please leave the unit powered on.

② Volume level indicator (LEVEL)

These indicators show the level of the volume. When all the indicators light up, the volume is at the maximum level. When all the indicators lights are off, the volume is at the minimum level. Volume can be adjusted individually from each of Zone1, Zone2 and Zone3. Volume adjustment can be adjusted, with the remote control unit or a Keypad.

Mute indicator (MUTE)

These indicators flash when the sound is muted. When volume is at the maximum, all the indicators flash. When the volume is at the minimum, only the first indicator flashes. Mute can be controlled individually from each of Zone1, Zone2 and Zone3. Muting can be done with the remote control unit or a Keypad. If the volume is adjusted when muted, mute is released.

Caution

When these indicators are flashing, no sound is outputted. When releasing mute, please check the volume position. If volume is set too loud, the speakers may be damaged.

③ Standby indicator (STANDBY)

This indicator lights up when any of the zones are in standby. Zone1, Zone2 and Zone3 can be in standby mode independently. Power for each zone can be controlled with the remote control unit or a Keypad.

④ Direct indicator (DIRECT)

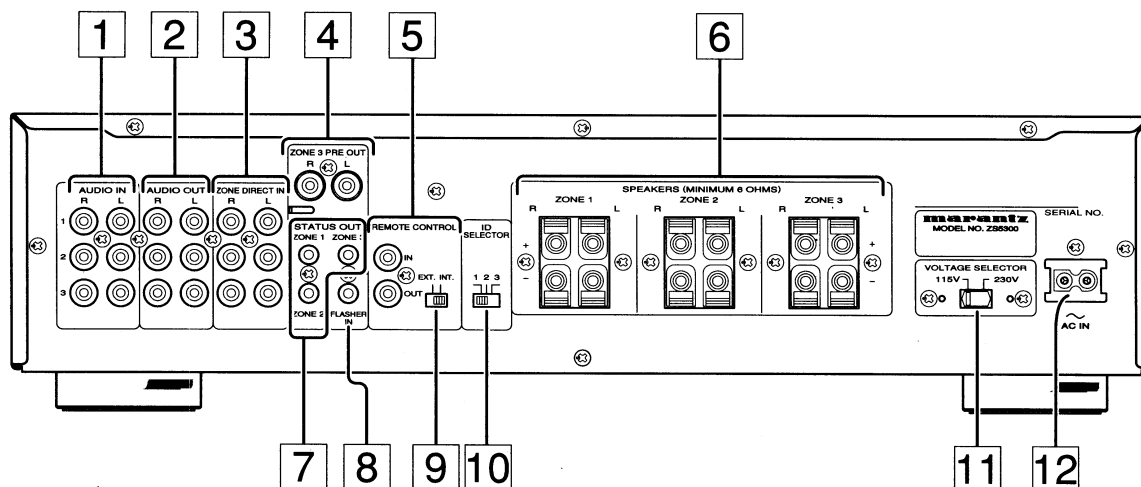
When the "Zone Direct" input is chosen for the source, this indicator lights up. The source connected to the "Zone Direct" terminal for Zone1 can be selected only for Zone1. The same applies for Zone2 and Zone3. Source selection can be selected with the remote control unit or a Keypad.

⑤ Input indicator (INPUT)

Depending on which input is selected in each zone, the appropriate INPUT indicator will be illuminated. The Inputs can be selected by a remote control unit or a Keypad.

⑥ IR (Remote control) sensor

This window receives infrared signals from the remote control unit.



1 Audio input terminal (AUDIO IN)

Connect the analog audio output from your audio device (CD player, TV, DVD player, etc.). Up to 3 audio devices can be connected.

2 Audio output terminal (AUDIO OUT)

These terminals are designed as an Audio pass through. They can be used to when cascading one or two other ZS5300s. Another example might be to share source components with a dedicated home theater system etc.

3 Zone direct input terminal (ZONE DIRECT IN)

These terminals are only for their corresponding zone. Connect the analog audio output terminals from your audio device (CD player, TV, DVD player, etc.). Although up to 3 devices can be connected each to a different zone, the device connected to "ZONE DIRECT 1" can be played only in ZONE 1. The same applies to ZONE DIRECT 2 and ZONE DIRECT 3.

- You can construct a powerful & unique multi-zone system by connecting the Marantz music server (DH9300). (P. 13)

4 Zone 3 pre output terminal (ZONE 3 PRE OUT)

These terminals are preamplifier output terminals for Zone 3. These terminals can be connected with other audio devices such as an external amplifier.

5 Remote control input / output terminal (REMOTE CONTROL)

By connecting this unit to another Marantz audio component using a System control cable, you can remotely operate the components as a single system.

6 Speaker output terminal (SPEAKERS)

Connect speakers for each zone.

- Rating of speaker impedance: 6 ohm

7 Status output terminal (STATUS OUT)

These terminals are DC trigger output terminals to determine whether power of a zone is on or off. Connect these terminals to Keypads, etc.

- Rating of status output: 12V 100mA.

8 Flasher input terminal (FLASHER IN)

This terminal is to control the unit from each zone. Connect the control signal from a Keypad, etc.

9 Remote control internal / external switch (INT. / EXT.)

This switch is to select if the remote sensor on the front panel work or not. If you use two or more ZS5300s in cascade connection, set this switch at INT. for the ZS5300 that functions as the master. Set the switch at EXT. for the slave ZS5300s.

INT. : Enable the remote sensor.

EXT. : Disable the remote sensor.

10 ID select switch (ID SELECTOR)

When two or three ZS5300s are used, set independent ID numbers for each. Up to 3 ZS5300s can be connected. Different ID numbers must be set for each unit.

11 Voltage selector (VOLTAGE SELECTOR)

Select the power voltage of your location. You can select 115V or 230V.

- Be sure to disconnect the power cord when changing this switch.

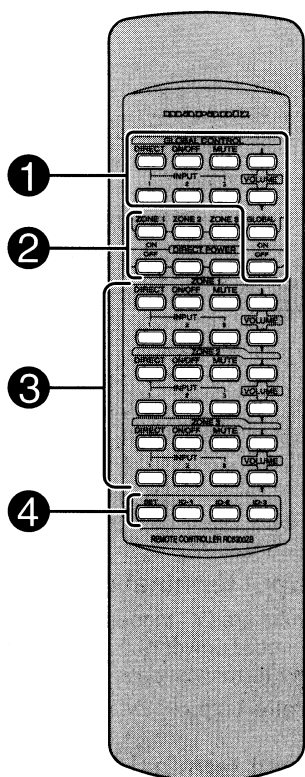
12 Power inlet (AC IN)

Plug the power cord into this socket.

CAUTION:

Be sure to use the power cord rating more than 2.5A, 250V and 18AWG when operating 230V AC voltage.

Remote control unit (RC5300ZS)



1 GLOBAL CONTROL buttons

With these buttons you can control volume, source selection, etc. for all the zones at the same time. If two or three units are connected in cascade, all the zones can be controlled at the same time as well.

• GLOBAL DIRECT button

This enables you to select the Zone Direct input (dedicated to that zone) to be played in all zones 1, 2, & 3 of all connected ZS5300s.

• GLOBAL INPUT 1, 2, 3 button

This enables you to select the Input 1, 2, or 3 to be played globally with all connected ZS5300s.

• GLOBAL ON / OFF button

This enables you to turn the power on/off for the all zones of all connected ZS5300s. Press once to turn on, press again to turn off.

• GLOBAL MUTE button

This enables you to turn the mute on/off for all connected ZS5300s. Press once to turn mute on, press again to turn mute off.

• GLOBAL VOLUME button

This enables you to control the volume up/down for all the connected ZS5300s.

• GLOBAL ON button

This enables you to turn the power on for the all zones of all connected ZS5300s.

• GLOBAL OFF button

This enables you to turn the power off for the all zones of all connected ZS5300s.

2 DIRECT POWER button

You can control power for each zone independently with these buttons.

• ZONE 1 DIRECT ON button

Turn the power on for Zone 1 independently.

• ZONE 1 DIRECT OFF button

Turn the power off for Zone 1 independently.

• ZONE 2 DIRECT ON button

Turn the power on for Zone 2 independently.

• ZONE 2 DIRECT OFF button

Turn the power off for Zone 2 independently.

• ZONE 3 DIRECT ON button

Turn the power on for Zone 3 independently.

• ZONE 3 DIRECT OFF button

Turn the power off for Zone 3 independently.

3 Buttons for ZONE 1, 2, 3

The descriptions below are common. The button's functions are the same for Zone 2 and 3; so only the buttons for Zone 1 are described.

• ZONE 1 DIRECT button

Select the "Zone Direct" input for Zone 1.

• ZONE 1 INPUT 1, 2, 3 buttons

Select the "Input 1" or "Input 2" or "Input 3" for Zone 1.

• ZONE 1 ON / OFF button

Turn the power on/off for Zone 1.

Press once to turn on, press again to turn off.

• ZONE 1 MUTE button

Turn the mute on/off for Zone 1.

Press once to turn on, press again to turn off.

If volume is adjusted when muted, mute is turned off.

• ZONE 1 VOLUME button

Control the volume up/down for Zone 1.

4 ID setting button

When two or three ZS5300s are connected remote cable together or used in same area, this allows the setting of different ID numbers.

See "ID Code Setup" for setting ID code for the remote control unit. (P. 8)

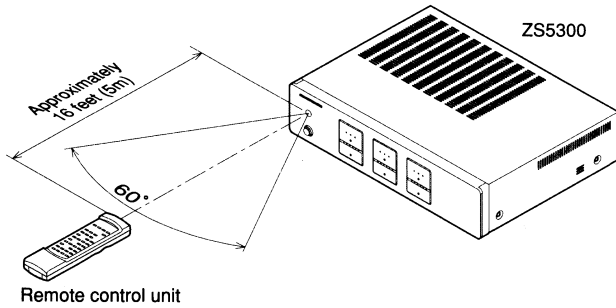
Default setting the unit is ID-1.

❖ Using the remote control unit

1. Remote control

Operate the remote control unit (RC5300ZS) within a distance of approximately 16 feet (5m) from the IR (remote control) window on the front of the unit. If the transmitter is pointed to a direction other than the IR SENSOR or if there is an obstacle between them, remote control may not be possible.

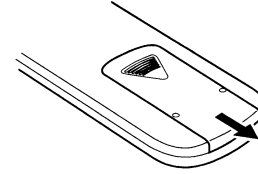
• Remote control operating range



2. Loading batteries

Batteries in this remote control unit have a life of approximately 1 year under normal operating conditions. When the remote control unit is not to be used for an extended period of time, remove the batteries. Also, when you notice that the batteries are starting to run down, replace them as soon as possible.

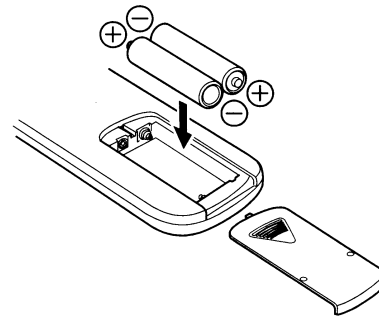
1. Remove the battery cover



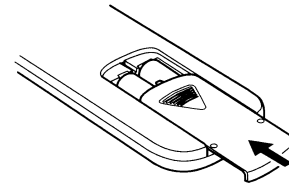
Note :

- Do not use the rechargeable batteries(Ni-Cd type).

2. Insert the AA size batteries with correct (+) and (-) polarity.



3. Close the battery cover until it clicks.

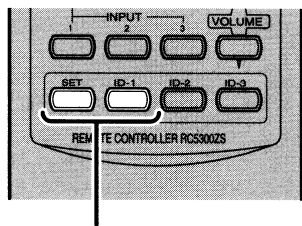


ID Code Setup

❖ Setting ID code

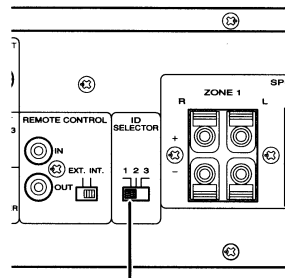
Ex.) Set to ID-1

Remote control unit



Press and hold **SET**, then
Press **ID-1** and release both.

Rear panel of the unit



Set to "1".

The ZS5300 system can be expanded up to 3 units.
When using 1 unit alone, set the ID switch on the rear panel to "1".

To set the remote control unit to the ID number of the unit, follow the procedure below.

1. Press the **SET** button and hold it, then press the **ID-1** button, then release both buttons.
2. This remote control unit has been set as ID-1. To set the ID to 2 and 3, follow the same procedure.
3. When the batteries are replaced, the unit defaults to the factory setting of ID-1.

Note:

This is important, because if you have changed ID numbers, you will have to reset the ID number when the batteries are replaced.

*Default setting for both the remote control unit and the unit is ID-1

Preparation and Connection

❖ Before making connections

Be sure to turn the power off for the ZS5300 and other products to be connected to ZS5300 before making connections.

Please refer the instruction manuals for other products to make sure of the proper connections and terminals.

❖ Keypad

The keypads that can be connected to the unit are keypads and connecting boxes made by NILES and XANTECH shown below. If you want to use products that are not in the list below or made by other manufacturers, please contact your authorized Marantz dealer.

• NILES

Keypad	: IntelliPad
IR Main System unit	: IRP6+
IR Sensor	: MS 2
IR Flasher	: IRC-2

• XANTECH

Keypad	: SMARTPAD3
Connecting block	: 789-44
IR Sensor	: 480-30 Series
IR Emitter	: 282M

Note:

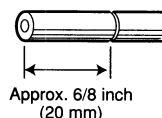
When connecting a Keypad, refer to the instruction manual for the Keypad as well as for this unit.

Connecting speakers

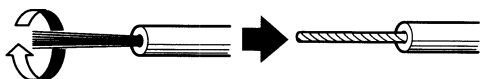
There are 2 ways to connect speakers. See the pictures below.

❖ Connecting speaker wire

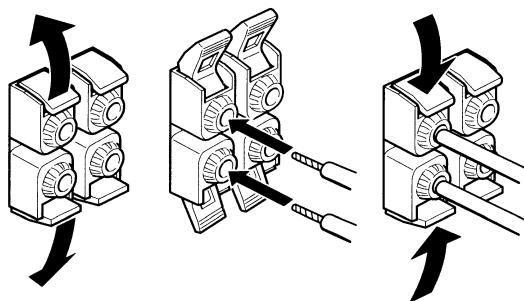
1. Strip away approx. 6/8 inch (20 mm) of wire insulation.



2. Twist the bared wire ends tight to prevent short circuits.

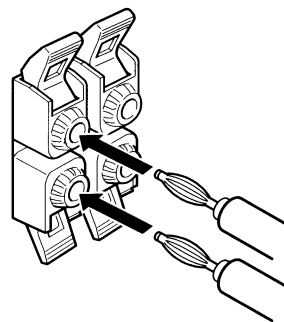


3. Insert the bare part of the wire into the hole in the each terminal as follow.

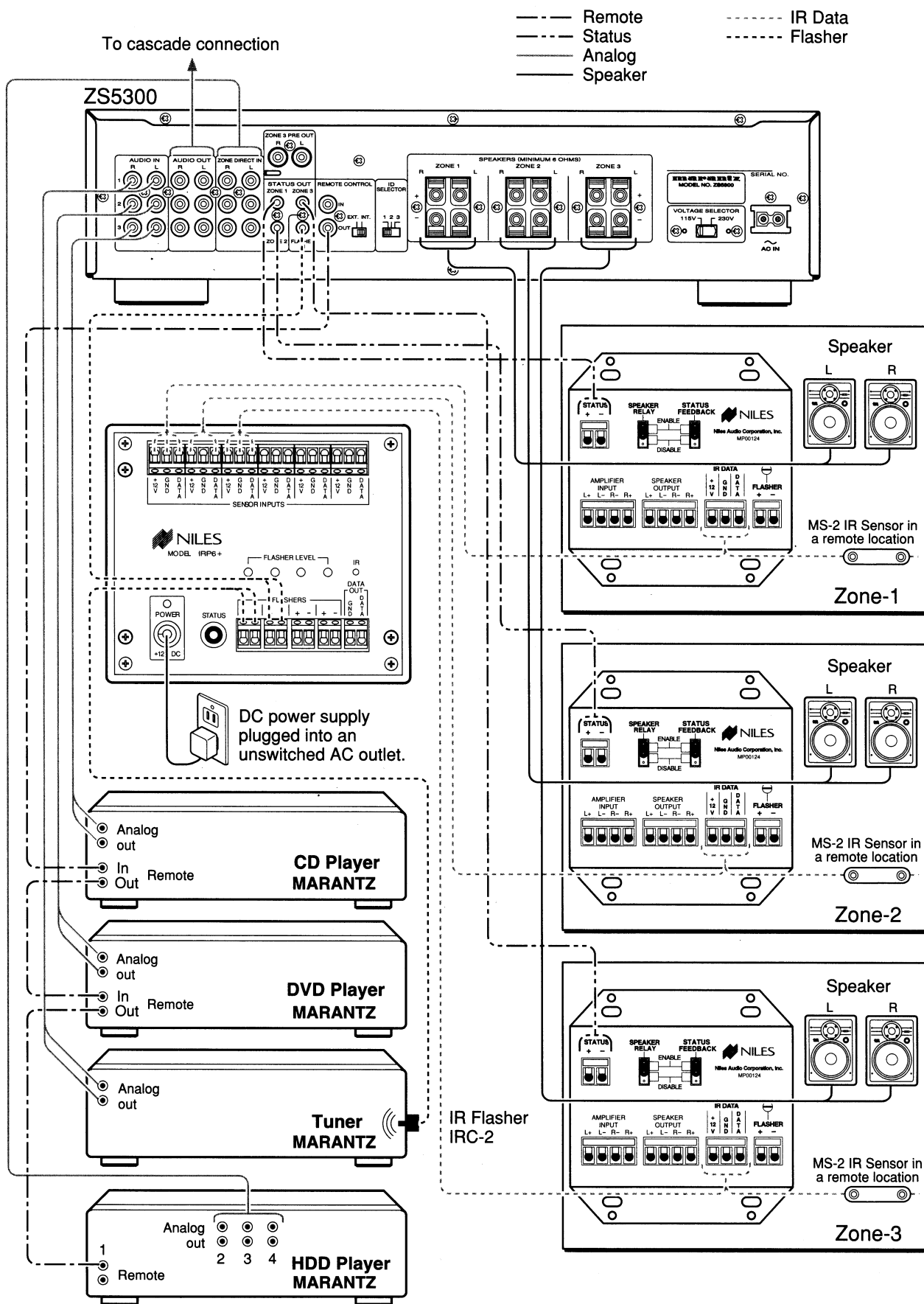


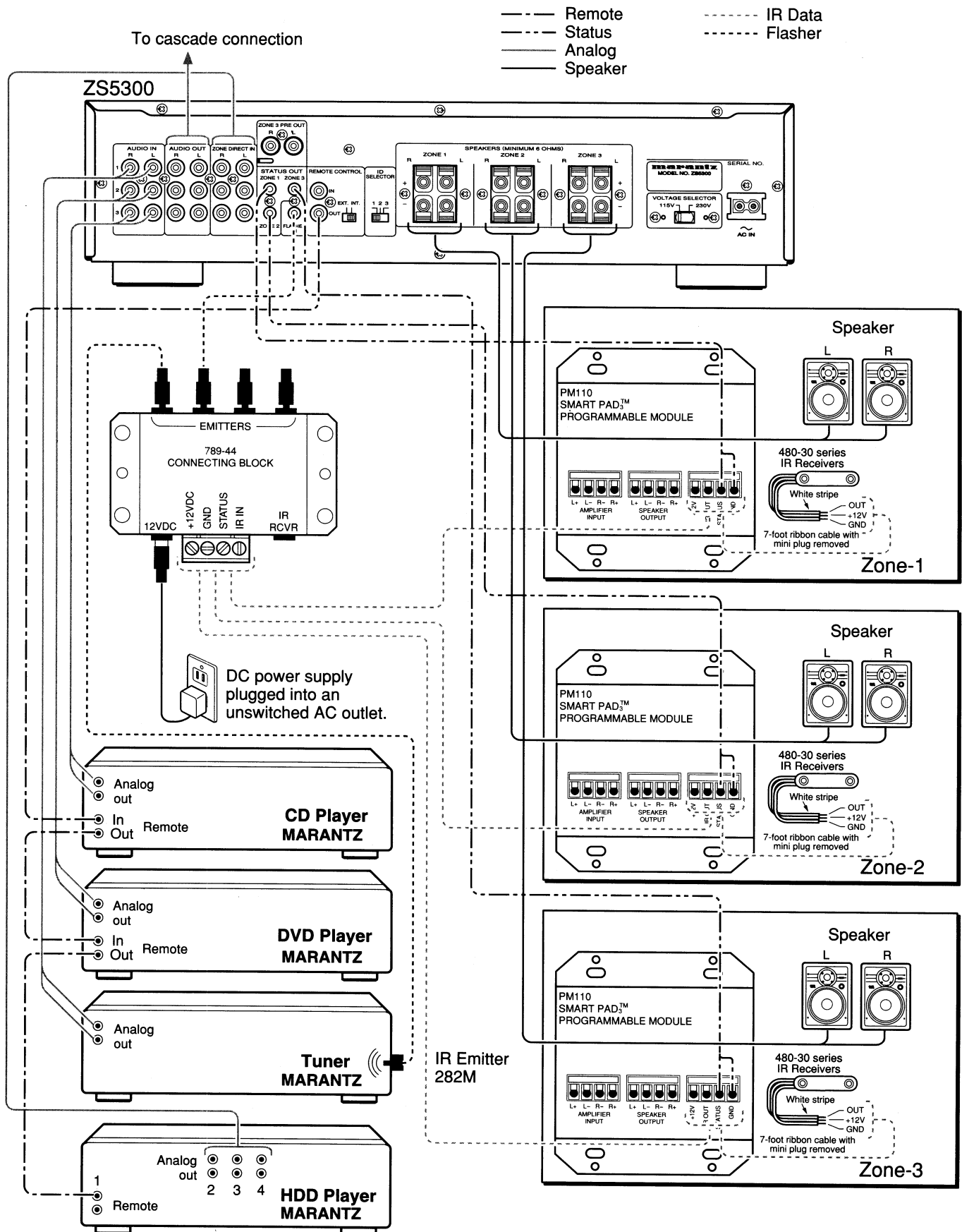
❖ Connecting banana plug

Banana plug connections are also possible.



◆ NILES system

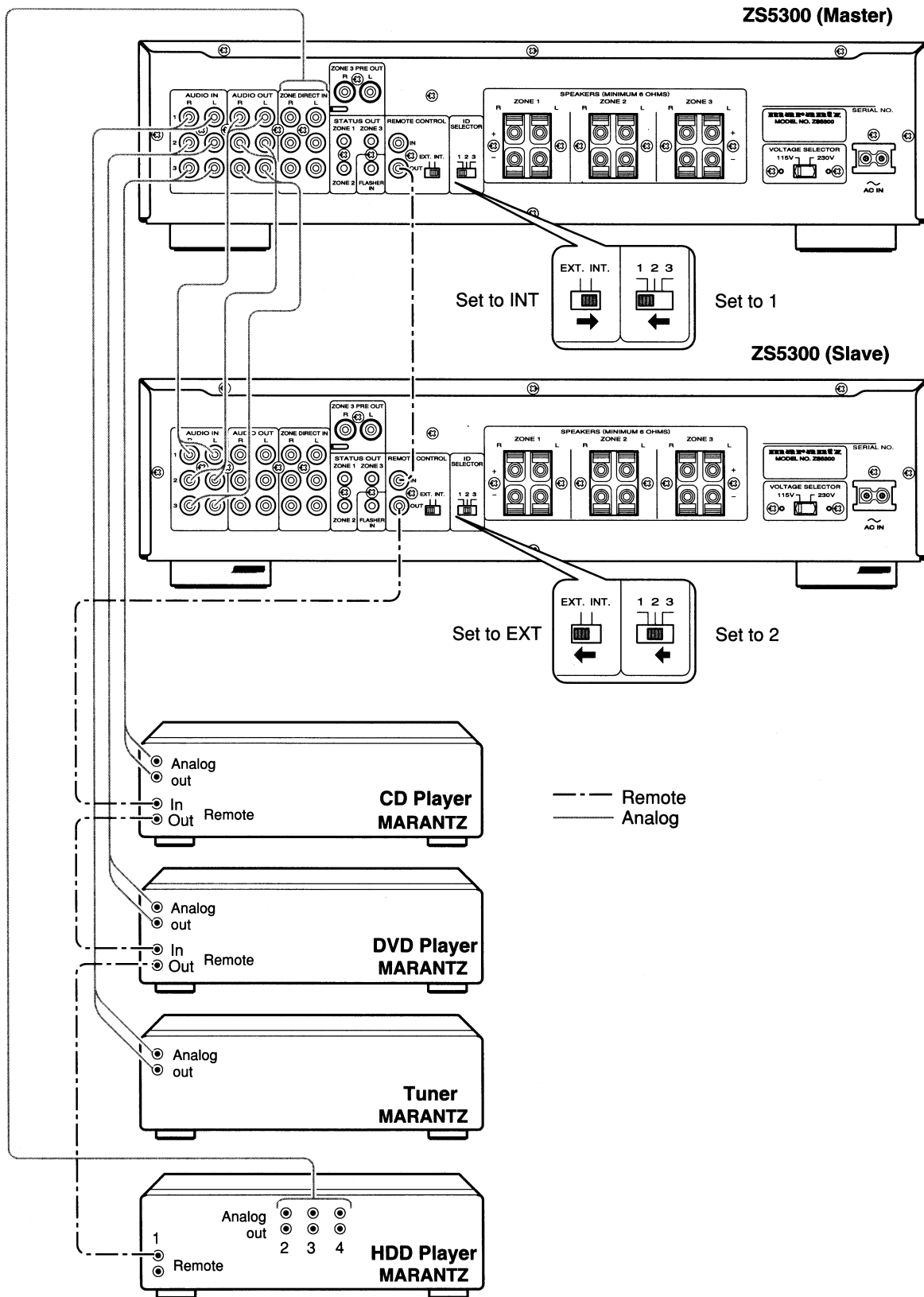




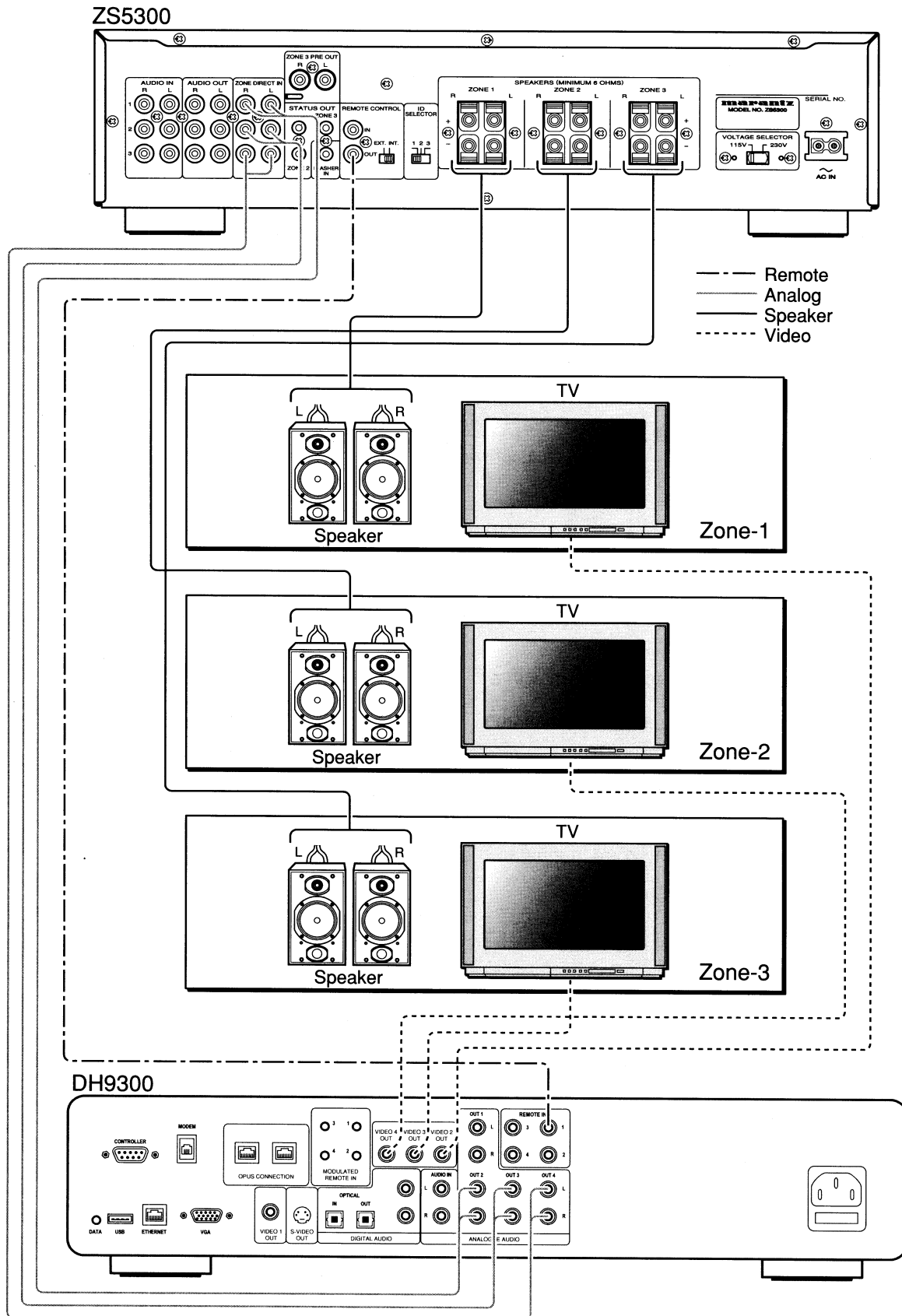
❖ Cascade connection

Note:

To change the positions of the EXT./INT. switch and the ID switch, turn off the main power switch of the ZS5300. When the main power switch is on, changing the positions do not affect.



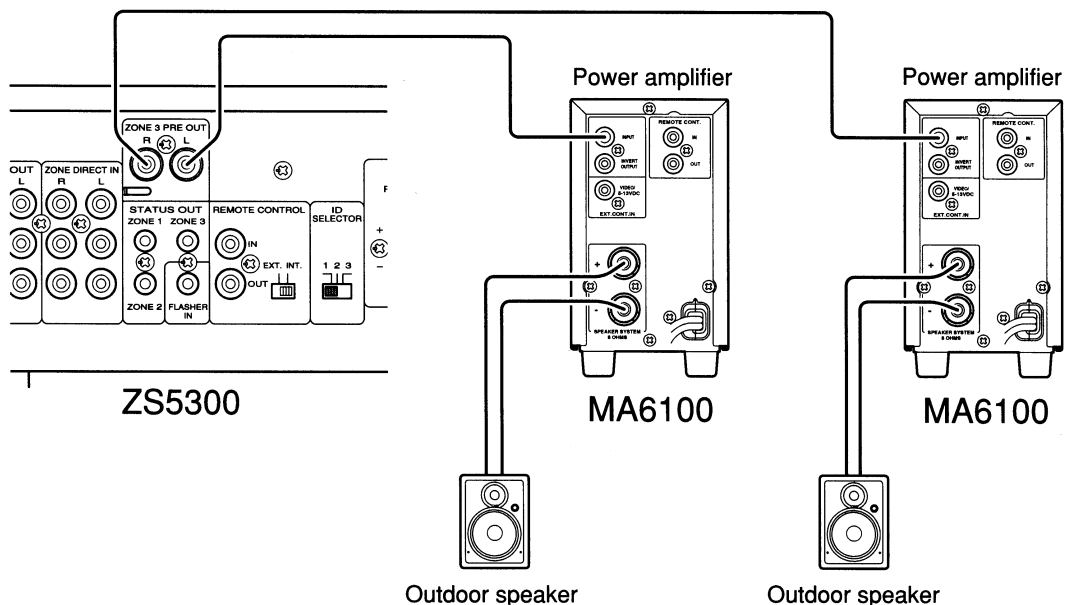
❖ Connection with the DH9300



❖ Connecting external power amplifier

When using speakers which might need high power to drive (ex. some outdoor speakers), you might need more power than the ZS5300 can provide. If you need more power, you can connect the "ZONE 3 PRE OUT" to an external power amplifier.

Sound level can be adjusted with Volume Up/Down on ZS5300.



❖ Connecting power cord

When all the connections are made, plug the power cord into the power outlet.

❖ Setup

This is an example to construct 3-zone system with a NILES keypad.

See the picture Connection Example "NILES system" (P. 10).

When all the connections are made, teach the keypad the remote commands.

To teach the commands to the keypad or more information, please refer to the instruction manual of your keypads.

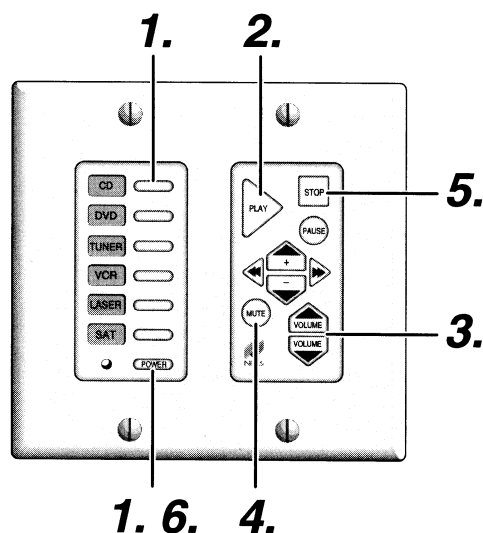
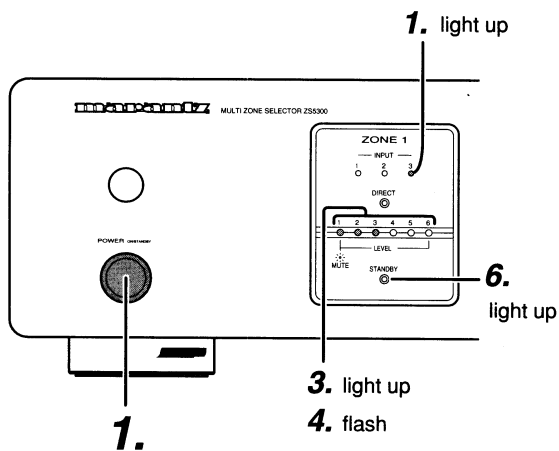
Operation Examples

❖ Refer to connection example "NILES system" (P.10)

Main room

ZONE 1

ENGLISH



1. Press the **CD** button on the keypad.
The power of ZS5300's Zone 1 is turned on and the input source is switched to Input 3.
Pressing the **POWER** button on the keypad also turns on the power.
2. Press the **PLAY** button on the keypad.
CD player begins to play.
3. Press the **VOLUME ▲** button on the keypad.
The volume level of ZS5300's Zone 1 is increased.
Also pressing the **VOLUME ▼** button decreases the volume level.
4. Press the **MUTE** button on the keypad to mute the sound.
The volume level indicators of ZS5300's Zone 1 flashes.
To release the mute, press the **MUTE** button again or press the **VOLUME ▲** or **▼**.
5. Press the **STOP** button on the keypad.
The CD player stops.
6. Press the **POWER** button on the keypad.
The power of ZS5300's Zone 1 is turned off and the **STANDBY** indicator lights up.

Remote Code List

❖ Remote code list (RC-5 extension)

	FUNCTION	ID-1	ID-2	ID-3	Note
Global	Power ON/OFF	161210	161210	161210	Global control code
Global	Power ON	161211	161211	161211	Global control code
Global	Power OFF	161212	161212	161212	Global control code
Global	Volume up	161600	161600	161600	Global control code
Global	Volume down	161700	161700	161700	Global control code
Global	Mute	161319	161319	161319	Global control code
Global	INPUT 1	160039	160039	160039	Global control code
Global	INPUT 2	160049	160049	160049	Global control code
Global	INPUT 3	160059	160059	160059	Global control code
Global	Direct in	160060	160060	160060	Global control code
Zone 1	Power ON/OFF	161220	161223	161226	
Zone 1	Power ON	161221	161224	161227	
Zone 1	Power OFF	161222	161225	161228	
Zone 1	INPUT 1	160030	160033	160036	
Zone 1	INPUT 2	160031	160034	160037	
Zone 1	INPUT 3	160032	160035	160038	
Zone 1	Direct in	160017	160018	160019	
Zone 1	Mute ON/OFF	161310	161313	161316	
Zone 1	Volume up	161610	161613	161616	
Zone 1	Volume down	161710	161713	161716	
Zone 2	Power ON/OFF	161230	161233	161236	
Zone 2	Power ON	161231	161234	161237	
Zone 2	Power OFF	161232	161235	161238	
Zone 2	INPUT 1	160040	160043	160046	
Zone 2	INPUT 2	160041	160044	160047	
Zone 2	INPUT 3	160042	160045	160048	
Zone 2	Direct in	160024	160025	160026	
Zone 2	Mute ON/OFF	161311	161314	161317	
Zone 2	Volume up	161611	161614	161617	
Zone 2	Volume down	161711	161714	161717	
Zone 3	Power ON/OFF	161240	161243	161246	
Zone 3	Power ON	161241	161244	161247	
Zone 3	Power OFF	161242	161245	161248	
Zone 3	INPUT 1	160050	160053	160056	
Zone 3	INPUT 2	160051	160054	160057	
Zone 3	INPUT 3	160052	160055	160058	
Zone 3	Direct in	160027	160028	160029	
Zone 3	Mute ON/OFF	161312	161315	161318	
Zone 3	Volume up	161612	161615	161618	
Zone 3	Volume down	161712	161715	161718	
Setup	Set	-----	-----	-----	
Setup	ID-1	-----	-----	-----	
Setup	ID-2	-----	-----	-----	
Setup	ID-3	-----	-----	-----	

ID initial : ID-1

ID setting : Push and hold **SET** first and **ID-*** buttons next simultaneously. (*=1 or 2 or 3)

Troubleshooting

In case of trouble with the unit, first check the following before calling for service.

1. Are all the connections made properly?
2. Are you operating the unit properly by following user's guide?
3. Are the other products working properly?

If the unit still does not work properly, check the items shown in the following table.

If your trouble cannot be solved with the remedy actions listed in the following table, malfunction of the internal circuitry is suspected; immediately unplug the AC power cord and contact a Marantz authorized dealer or service center.

Problem	Remedy
<i>The amplifier does not work and the indicator does not light up.</i>	<ul style="list-style-type: none"> • Check if the power cord is plugged properly into an AC power outlet.
<i>The indicator lights up but the amplifier will not function.</i>	<ul style="list-style-type: none"> • Check the settings of the INPUT SELECTOR, VOLUME control. • Check if the MUTE function is de-activated. (The MUTE indicator is OFF.)
<i>Sound is produced only from one of the speaker systems.</i>	<ul style="list-style-type: none"> • Turn the power off and change the connections of the left and right speaker systems. If sound still does not come out from the same speaker system, check the connection cords or the speaker system itself.
<i>Sound is not produced at all.</i>	<ul style="list-style-type: none"> • Check the settings of the INPUT SELECTOR. • Check that the speaker cords are connected properly. • Check that the connection cords with RCA pin plugs are connected properly.
<i>Doesn't work properly when it is connected to Cascade.</i>	<ul style="list-style-type: none"> • Check the ID switch of the rear panel is set properly. • Check the ID setting of the remote controller is set properly.

Care and Maintenance

This section describes the care and maintenance tasks that must be performed to optimize the operation of your Marantz equipment.

❖ Cleaning of the external surfaves of the unit

The exterior finish of your unit will last indefinitely with proper care and cleaning.

Never use scouring pads, steel wool, scouring powders or harsh chemical agents, alcohol, thinners, benzene, insecticide or other volatile substances as these will mar the finish of the equipment.

Likewise, never use cloths containing chemical substances. If the unit gets dirty, wipe the external surfaces with a soft, lint-free cloth.

Specification

ENGLISH

Rated power output

Zone1 L/R (40Hz -20KHz)	60W 6-ohm / Channel
Zone2 L/R (40Hz -20KHz)	60W 6-ohm / Channel
Zone3 L/R (40Hz -20KHz)	60W 6-ohm / Channel
THD (40Hz - 20KHz)	0.05% 6-ohm
Input sensitivity	300mV / 60W Output
Input impedance	20K ohms
Frequency response (-1dB)	10Hz to 30KHz
Signal to noise ratio	85dB
Power requirement	115V / 230V AC 50/60Hz
Power consumption	100W

Dimensions (Maximum)

Width	17.32 inches (440 mm)
Height	4.53 inches (115 mm)
Depth	13.31 inches (338 mm)
Weight	18.74 lbs (8.5 Kg)

Accessories

AC power cord	1
Remote control unit (RC5300ZS).....	1
AA-size batteries	2

Design and specifications are subject to change without notice.

www.marantz.com

You can find your nearest authorized distributor or dealer on our website.

marantz® is a registered trademark.



For U.S.A.

marantz®

Limited Warranty

Marantz America, Inc. ("Marantz") warrants the following Marantz Products for the periods indicated:

1. The following Marantz Audio/Video components, have a 3 year warranty for both Parts & Labor, from the original purchase date:

Amplifiers, Pre Amplifiers, Pre Amplifier-Processor-Tuners, Integrated Amplifiers, Tuners, Receivers, DVD Players, CD-Recorders, CD Players, Audio Cassette Decks, Learning Remote Control Devices, Universal Dock & DLP front Projectors.

2. **VCR's, Wallvisions, Plasma TVs, LCD TVs & HDD Products** have a 1 year warranty for parts and labor from the original purchase date.
3. **Rear Projection TVs** have a 2 year warranty for parts and labor from the original purchase date.
4. **DLP lamps** have a 90 day warranty for parts and labor from the original purchase date.

What is covered and what is not covered

Except as specified below, this warranty covers parts and labor to correct all defects in materials and workmanship. The following are not covered by the warranty:

1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
 - a) Accident, acts of nature, misuse, abuse, neglect or unauthorized product modification.
 - b) Improper installation, removal or maintenance, or failure to follow instructions supplied with the product.
 - c) Repair or attempted repair by anyone not authorized by Marantz to repair the product.
 - d) Any shipment of the product (claims must be presented to the carrier).
 - e) Any cause other than a product defect.
2. Cleaning, initial set-up, check-ups with no defects found, or charges incurred for installation, removal or reinstallation of the product.
3. Any product on which the serial number has been defaced, modified or removed.
4. Batteries.
5. Accessories, including but not limited to, batteries, cables, mounting hardware and brackets, cleaning accessories, antenna and detachable power cords.
6. Warranty is void if purchase was made from any one other than an authorized Marantz dealer.

Marantz America, Inc.

100 Corporate Drive,
Mahwah, NJ, 07430
Phone. 800-654-6633 Fax. 201-762-6686

Who may enforce the warranty

This warranty may be enforced only by the original purchaser.

What we will pay for

We will pay for all labor and material expenses for items covered by the warranty. Payment of shipping charges is discussed in the next section of this warranty.

How you can get service

1. If your unit needs service, contact Marantz service referral by calling toll-free **1-800-270-4533**. We will advise you of the name and location of one or more authorized Marantz service stations from which service can be obtained. Please do not return your unit to the factory without prior authorization.
2. You must pay any shipping charged if it is necessary to ship the product for service. However, if the necessary repairs are covered under warranty, we will pay the return shipping charges to any destination within the United States, its possessions or territories.
3. Whenever warranty service is required, you must present the original dated sales receipt or other proof of date of purchase.

Limitation of implied warranties

All implied warranties, including warranties of merchantability and fitness for a particular purchase, are limited in duration to the length of this warranty.

Exclusion of damages

Marantz liability for any defective product is limited to repair or replacement of the product at Marantz's option. Marantz shall not be liable for damage to other products caused by any defects in Marantz products, damages based upon inconvenience or loss of use of the product, or any other damages, whether incidental, consequential, or otherwise.

How state law relates to the warranty

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

marantz®

MARANTZ CANADA LIMITED WARRANTY

Marantz Canada ("Marantz") warrants the following Marantz products for the periods indicated:

3-year warranty for both Parts & Labour, from the original purchase date :

Amplifiers; Pre Amplifiers; Pre Amplifier-Processor-Tuners; Integrated Amplifiers; Tuners; Receivers; DVD Players; CD-Recorders; CD Players; Audio Cassette Decks; Learning Remote Control Devices; Universal Dock & DLP front Projectors.

1 year warranty for parts and labour from the original purchase date :

HD Digital VCR's

90 day warranty for parts and labour from the original purchase date :

DLP lamps

3-year warranty for Labour, 2-year warranty for parts and 1-year warranty for the Panel :

Plasma Displays

What is Covered and What is Not Covered

Except as specified below, this warranty covers parts and labor to correct all defects in materials and workmanship. The following are not covered by the warranty:

1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
 - a) Accident; acts of nature; misuse; abuse; neglect; unauthorized product modification.
 - b) Improper installation, removal or maintenance, or failure to follow instructions supplied with the product.
 - c) Repair or attempted repair by anyone not authorized by Marantz to repair the product.
 - d) Any shipment of the product (claims must be presented to the carrier)
 - e) Any cause other than a product defect
2. Cleaning, initial set-up, check-ups with no defects found, or charges incurred for installation, removal or reinstallation of the product.
3. Any product on which the serial number has been defaced, modified or removed.
4. Accessories, including but not limited to, batteries, cables, mounting hardware and brackets, cleaning accessories, antenna and detachable power cords.
5. Warranty is void if purchase was made from anyone other than an authorized Marantz dealer.

Who May Enforce the Warranty

Only the original purchaser may enforce this warranty.

What We Will Pay For

We will pay for all labor and material expenses for items covered by the warranty. Payment of shipping charges is discussed in the next section of this warranty.

How You Can Get Service

1. If your unit needs service, it may be taken or shipped to any authorized MARANTZ service station or MARANTZ CANADA (if you are uncertain as to whether a service station is MARANTZ authorized, please contact MARANTZ as listed below). Please do not return your unit to the factory without prior authorization.
2. You must pay any shipping charged if it is necessary to ship the product for service. However, if the necessary repairs are covered under warranty, we will pay the return shipping charges to any destination within Canada.
3. Whenever warranty service is required, you must present the original dated sales receipt or other proof of date of purchase.

Limitation of Implied warranties

All implied warranties, including warranties of merchantability and fitness for a particular purchase, are limited in duration to the length of this warranty.

Exclusion of damages

Marantz liability for any defective product is limited to repair or replacement of the product at Marantz's option. Marantz shall not be liable for damage to other products caused by any defects in Marantz products, damages based upon inconvenience or loss of use of the product, or any other damages, whether incidental, consequential, or otherwise.

Some provinces do not allow limitations on how long an implied warranty lasts and/or does not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

This warranty gives you specific legal rights, but you may also have other rights, which vary from province to province.

MARANTZ Canada

Division of D&M Canada Inc.
5-505 Apple Creek Blvd.,
Markham, Ontario
L3R 5B1
1-888-258-9361
www.marantz.com

marantz®

GARANTIE LIMITÉE DE MARANTZ CANADA

Marantz Canada ("Marantz") garantie les produits suivants pour les périodes indiquées :

3 ans de garantie pour les pièces et la main d'œuvre prenant effet à partir de la date d'achat du produit :

Amplificateurs, Préamplificateurs, Pré-ampli-processeurs-sintoniseurs; amplificateurs intégrés, syntoniseurs, récepteurs, lecteurs DVD, enregistreurs CD, lecteurs CD, platines à cassette audio, télécommandes programmables, Dock universel et projecteurs avant DLP.

1 an de garantie pour les pièces et la main d'œuvre prenant effet à partir de la date d'achat du produit :

Magnétoscope numérique HD

90 jours de garantie pour les pièces et la main d'œuvre prenant effet à partir de la date d'achat du produit :

Lampes DLP

3 ans de garantie pour la main d'œuvre, 2 ans de garantie pour les pièces et un an de garantie pour le panneau :

Ecrans à plasma

Ce qui est couvert et pas couvert par la garantie :

A l'exception de ce qui est mentionné ci-dessous, cette garantie couvre les pièces et la main d'œuvre afin de réparer tous les défauts de matériel ou de fabrication du produit. Ce qui suit n'est pas couvert par la garantie :

1. Les dommages, détérioration, défauts de fonctionnement, ou le fait de ne pas respecter les spécifications d'exécutions résultant d'un (e) :
 - a) accident, acte de la nature, abus, négligence, utilisation impropre ou d'une modification de produit non autorisée ;
 - b) installation incorrecte, déplacement, maintenance ou d'un emploi contraire aux instructions fournies avec le produit ;
 - c) réparations ou tentatives de réparations par une personne non reconnue par Marantz ;
 - d) envoi de produit (les réclamations doivent être présentées au transporteur)
 - e) cause autre qu'un défaut de produit.
2. L'entretien, l'installation initiale, toute vérification de produit ou aucun défaut n'a été trouvé, ou tous frais encourus pour l'installation, le déplacement ou la réinstallation du produit.
3. Tout produit dont le numéro de série a été effacé, modifié ou enlevé.
4. Les accessoires incluant mais non limités aux, piles, câbles, matériaux de support, accessoires de nettoyage, antennes et cordons de secteur détachables.
5. La garantie n'est pas valable si l'achat a été fait au Canada chez un revendeur non reconnu par Marantz.

Qui peut faire appliquer la garantie

Seule la personne qui a acheté le produit à l'origine peut faire appliquer la garantie.

Notre paiement

Nous paierons tous les frais de pièces et de main d'œuvre pour tous les produits couverts par la garantie. Le paiement des frais de livraison est abordé dans la section suivante de cette garantie.

Comment vous pouvez obtenir le service de réparation

1. Si vous avez besoin de faire réparer votre appareil, vous pouvez l'envoyer ou le déposer chez un atelier de service autorisé Marantz ou directement chez Marantz Canada (Dans le cas où vous n'êtes pas sûr de savoir si un atelier de service est autorisé ou non à réparer votre appareil, vous pouvez contacter Marantz Canada à l'adresse et au numéro de téléphone ci-dessous). Veuillez ne pas renvoyer votre appareil à l'usine sans autorisation préalable.
2. Vous devez payer les frais de livraison dans le cas où votre appareil a besoin d'être envoyé au service des réparations. Toutefois, si les réparations nécessaires sont couvertes par la garantie, nous payerons les frais de retour d'expédition et ce quelle que soit la destination au Canada.
3. Lorsque vous envoyez votre appareil pour un service sous garantie, vous devez joindre une copie de la facture d'achat (ticket ou autre preuve d'achat)

Limites des garanties implicites

Toutes les garanties implicites, y compris les garanties de valeur marchande et spécifique pour un achat particulier, sont limitées dans la durée à la longueur de cette garantie.

Exclusion des dommages

La responsabilité de Marantz est limitée pour n'importe quel produit défectueux en ce qui concerne la réparation ou le remplacement du produit en question. Si des dommages interviennent à des produits autres que ceux de Marantz, Marantz ne sera pas tenu responsable des dits dommages, basés sur le dérangement ou la perte d'utilisation du produit ou tout autre dommage qu'il soit fortuit, indirect ou autre.

Certaines provinces ne permettent pas de limites quant à la durée d'une garantie sous-entendue et/ou ne permettent pas l'exclusion de dommages fortuits ; ainsi les limitations et les exclusions mentionnées ci-dessus peuvent ne pas s'appliquer à votre cas.

Cette garantie vous donne des droits légaux spécifiques, mais vous pouvez aussi avoir d'autres droits qui peuvent varier d'une province à l'autre.

Cette garantie n'est seulement valable qu'au Canada.

MARANTZ Canada

Division of D&M Canada Inc.
5-505 Apple Creek Blvd.,
Markham, Ontario
L3R 5B1
1-888-258-9361
www.marantz.com